

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the first paragraph on page 1 with the following amended paragraph:**

The present invention relates to a constellation information transmitting arrangement as ~~defined in the non-characteristic part of claim 1~~for use in a multi-carrier transmitter or multi-carrier receiver of a multi-carrier system, and a constellation information receiving arrangement ~~as defined in the non-characteristic part of claim 7~~for use in a multi-carrier transmitter or multi-carrier receiver of a multi-carrier system.

**Please replace the second paragraph on page 2 with the following amended paragraph:**

According to the invention, this object is achieved by the constellation information transmitting arrangement ~~defined by claim 1~~comprising means for producing carrier constellation information indicative for constellations where respective carriers will be modulated with by said multi-carrier transmitter and means for transmitting said carrier constellation information, characterized in that said means for producing carrier constellation information is adapted to produce for at least one respective carrier subset a set of parameter values from which constellations of all carriers in said at least one respective carrier subset can be retrieved through interpolation, and the constellation information receiving arrangement ~~defined by claim 7~~comprising means for receiving carrier constellation information indicative for constellations where respective carriers will be modulated with by said multi-carrier transmitter, and means for determining said constellations from said carrier constellation information, characterized in that said means for determining said constellations comprise interpolating means

adapted to retrieve constellations of all carriers in at least one respective carrier subset from a respective set of parameter values that forms part of said carrier constellation information.

**Please replace the second paragraph on page 3 with the following amended paragraph:**

Additional characteristic features of a first implementation of the constellation information transmitting arrangement and the constellation information receiving arrangement according to the present invention are that said set of parameter values consists of a first number of bits and a first gain value and that said set of parameter values consists of a first number of bits and a first gain value and in that said interpolating means is adapted to determine for each carrier in said at least one respective carrier subset a number of bits equal to said first number and a gain value equal to said first gain value defined by claims 2 and 8.

**Please replace the fourth paragraph on page 3 with the following amended paragraph:**

Additional characteristic features of a second implementation of the constellation information transmitting arrangement and the constellation information receiving arrangement according to the present invention are ~~defined by claims 3 and 9~~ that said set of parameter values consists of a first number of bits, a first gain value and a second gain value and that said set of parameter values consists of a first number of bits, a first gain value and a second gain value and in that said interpolating means is adapted to determine for each carrier in said at least one

respective carrier subset a number of bits equal to said first number of bits and a gain value through linear interpolation between said first gain value and said second gain value.

**Please replace the sixth paragraph on page 3 with the following amended paragraph:**

A further characteristic feature of the just mentioned second implementation of the constellation information transmitting arrangement according to the present invention is ~~defined by claim 4~~ that said constellations of all carriers in said at least one respective carrier subset can be retrieved through linear interpolation.

**Please replace the first paragraph on page 4 with the following amended paragraph:**

An additional characteristic feature of the constellation information transmitting arrangement according to the present invention is ~~defined by claim 5~~ that said arrangement further contains means to produce a description of said at least one respective carrier subset, and means to transmit said description of said at least one respective carrier subset.

**Please replace the third paragraph on page 4 with the following amended paragraph:**

Yet another characteristic feature of the constellation information transmitting arrangement according to the present invention is ~~defined by claim 6~~ that N carriers are divided into M subsets of N/M carriers with successive carrier indices, N being a first integer number representing a total amount of carriers used in said multi-carrier system, and M representing a second integer number whereby N is an integer multiple of M.